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FIG.1A

1 GGGTGGGTGGTAGAAAGTTTGGGCTCCCGCCCGTATCCACGCCCTATCGGCATAG
 61 GAGGATATCCGCCCGCCCGCGGATCGGCATTGAATGAACAGTGTCTTGCCCCGC
 121 CACCGCCACCATGAACAAGCTTTACATCGGCAACCTCAACGAGAGTGTGACCCCCGCAGA
 1 M N K L Y I G N L N E S V T P A D
 181 CTTGGAGAAAGTATTCGGGAGCACAAAGATCTCTACAGCGGCCAGTTCTTGGTCAAATC
 18 L E K V F A E H K I S Y S G Q F L V K S
 241 CGGCTACGCCCTTCGTGGATTGCCCGCACGAGCACTGGGGGATGAAGGCCATCGAAACTTT
 38 G Y A F V D C P D E H W A M K A I E T F
 301 CTCGGGAAAGTAGAACTGCAAGGAAAACGTCTAGAGATTGAACACTCAGTCCCCAAAAA
 58 S G K V E L Q G K R L E I E H S V P K K
 361 ACAAGGAGTCGGAAAATACAGATCCGCAATATTCACCTCAGCTCCGATGGGAAGTGCT
 78 Q R S R K I Q I R N I P P Q L R W E V L
 421 AGATAGCCTGCTGGCTCAGTACGGTACAGTGGAGAACTGTGAGCAAGTGAACACTGAAAG
 98 D S L L A Q Y G T V E N C E Q V N T E S
 481 TGAGACAGCGTGGTCAACGTCACTACTCTAACGGGAGCAGACCAGGCAAGCTATCAT
 118 E T A V V N V T Y S N R E Q T R Q A I M
 541 GAAGCTAAATGGCCATCAACTGGAGAACCATGCCCTGAAGGTCTCTACATACCTGATGA
 138 K L N G H Q L E N H A L K V S Y I P D E

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FIG. 1B

601 GCAGATAACACAAGGTCCTGAGAAATGGCGTCGTGGAGGCTTTGGGTCTCGGGGCCAGCC
158 Q I T Q G P E N E R R G G G F G S R G Q P

661 CCGGCAAGGTCGCCCGTGGCAGCAGGGGCTCCAGCCAAAGCAGCAGCCAGTGGACATCCC
178 R Q G S P V A A G A P A K Q Q P V D I P

721 TCTCCGGCTCCTGGTGCCTACGCAGTATGTAGGCGCTATCATTTGGCAAGGAGGTGCCAC
198 L R L L V P T Q Y V G A I I G K E G A T

781 CATCCGAAACATCACAAAACAGACGCAGTCCAAAATAGACGTGCATAGGAAGGAGAAATGC
218 I R N I T K Q T Q S K I D V H R K E N A

841 GGGCGCTCGGAGAAGGCCATCAGCGTGCATTCAACCCCTGAAGGTGCTCCTCCGCGTG
238 G A A E K A I S V H S T P E G C S S A C

901 CAAGATGATCTTGGAGATTATGCACAAGGAGGCAAGGACACCAAAACGGCAGATGAAGT
258 K M I L E I M H K E A K D T K T A D E V

961 TCCCCCTGAAGATCCTGGCTCATAACAACCTTCGTGGGCGACTCATTTGGCAAGGAAGGCCG
278 P L K I L A H N N F V G R L I G K E G R

1021 GAACCTGAAGAAGTGGAGCAGGACACAGAGACGAAGATCACCATCTCATCGCTCCAGGA
298 N L K K V E Q D T E T K I T I S S L Q D

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FIG.1C

1081 CCTCAGCTCTATAACCTGAGAGGACCATCACTGTGAAGGCGCCATTGAGAACTGTTG
 318 L T L Y N P E R T I T V K G A I E N C C
 1141 CAGGGCCGAGCAGGAGATCATGAAGAAAGTTCGAGAGGCTTACGAGAACGACGTGGCCGC
 338 R A E Q E I M K K V R E A Y E N D V A A
 1201 CATGAGCTTGCACTCCACCTCATCCCTGGGCTTAACCTGGCTGTAGGTCTCTTCCC
 358 M S L Q S H L I P G L N L A A V G L F P
 1261 AGCTTCATCCAGCGCTGTCCCTCCTCCAGCAGTGTCACTGGGGCTGCCCTATAG
 378 A S S A V P P P P S S V T G A A P Y S
 1321 CTCCTTCATGCAGGCTCCGGAGCAGGAGATGGTACAAGTGTTCATCCCCGCCAGGCTGT
 398 S F M Q A P E Q E M V Q V F I P A Q A V
 1381 GGGCGCCATCATGGCAAGAAGGCGCAGCACATCAAACTCTCCCGTTTCGCCAGCGC
 418 G A I I G K K G Q H I K Q L S R F A S A
 1441 CTCCATCAAGATTGCTCCACCAGAAACACCTGACTCCAAAGTTCGAATGGTCGTCATCAC
 438 S I K I A P P E T P D S K V R M V V I T
 1501 TGGACCCCGAGGCTCAGTTCAGGCTCAGGGAAGAATTATGGCAAACATAAAGAAGA
 458 G P P E A Q F K A Q G R I Y G K L K E E

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FIG. ID

1561 GAATTCTTTGGTCCCAAGGAGGAAGTAAAGCTAGAGACCCACATACGGGTTCCGGCTTC
478 N F G P K E E V K L E T H I R V P A S

1621 AGCAGCCGGCGGTCAATCGGAAAGCGGCAAAACGGTGAATGAGCTGCAGAACTTGAC
498 A A G R V I G K G G K T V N E L Q N L T

1681 TGCAGCTGAGGTGGTAGTGCCAAAGAGACCAGACCCCGGATGAGAAACGACCAAGTCATTGT
518 A A E V V P R D Q T P D E N D Q V I V

1741 TAAGATCATCGGACATTTCTATGCCAGCCAGATGGCTCAGCGGAAGATCCGAGACATCCT
538 K I I G H F Y A S Q M A Q R K I R D I L

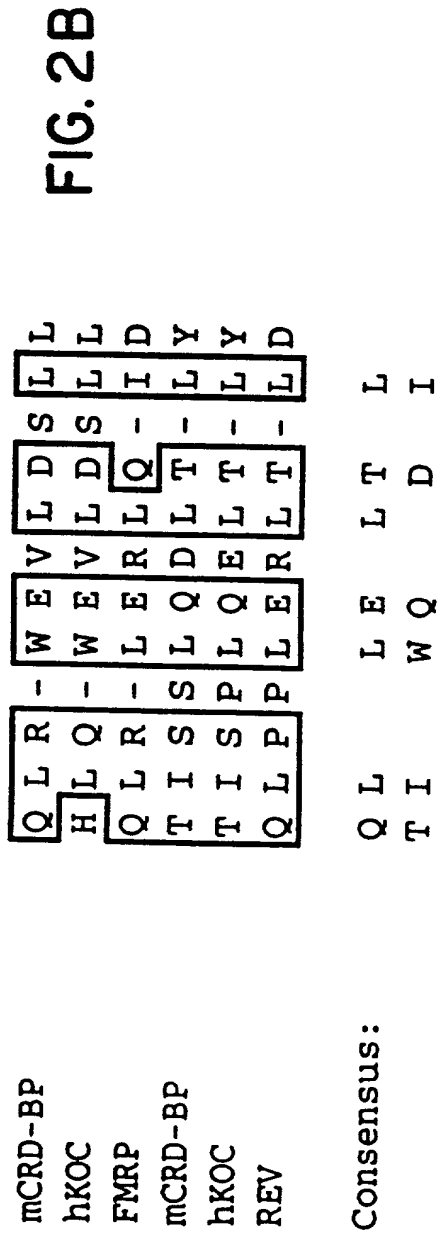
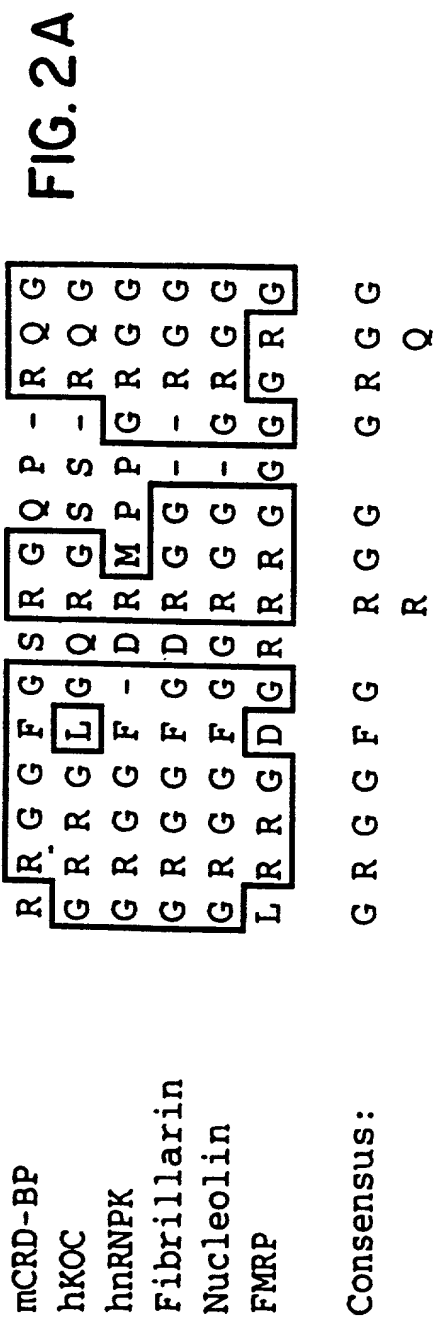
1801 GGCTCAAGTTAAGCAACAGCACCAAGGACAGAGCAACCTGGCCCCAGGCACGGAGGAA
558 A Q V K Q Q H Q K G Q S N L A Q A R R K

1861 GTGACCCCGCCCCCTCCTGTCCCATTGGCTCCAAGATCAGCAGGAGGAACACAGAACTGG
578 *

1921 AGGGCGGGTGGAGGCCGGTGTGTTTTTCCAGCAGGCTTGAGAATGAGTGGGAATCAG
1981 GGCAATTGGGCTGGCTGGAGATCAGGTTTGACACTGTATTGAGAAACAATGTTCCAGTG
2041 AGGAATCCTGATCTCTCGCCCCCAATTGAGCCAGCTGGCCACAGCCACCCCTTGAATA
2101 TCACCAATTGCAATCATAGCTTGGGTGCTTTTAAACGTGGATTGTCTTGAAGTTCTCCAG
2161 CCTCCATGGAAGGATGGGTCCAGATCCCAGTGGGGAAGAGAAATAAAATTTCCCTTCAGGTT
2221 TTAT

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[illegible]

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FIG. 2C-2

mCRD-BP(1)	Q	T	Q	S	K	-	-	-	-	I	D	V	H	R	K	E	N	A	G	A	A	E	K	A	I	S	V
mCRD-BP(2)	D	T	E	T	K	-	I	T	-	I	S	S	L	Q	D	L	T	L	Y	N	A	A	R	T	I	T	V
mCRD-BP(3)	F	A	S	A	S	-	-	-	-	I	K	I	A	P	P	E	T	P	D	S	K	V	R	M	V	V	I
mCRD-BP(4)	L	T	A	A	E	-	-	V	-	V	V	P	R	D	Q	K	E	N	D	Q	Q	V	V	I	V	K	I
hKOC(1)	Q	T	Q	S	K	-	-	-	-	I	D	V	H	R	K	E	N	A	G	A	E	K	S	I	T	I	I
hKOC(2)	D	T	D	T	K	-	I	T	-	I	S	P	L	Q	E	L	T	L	Y	N	A	R	T	I	T	V	I
hKOC(3)	F	A	G	A	S	-	-	-	-	I	K	I	A	P	A	E	A	P	D	A	K	V	R	M	V	V	I
hKOC(4)	L	S	S	A	E	-	-	V	-	V	V	P	R	D	Q	K	E	N	D	Q	Q	V	V	V	V	I	I
hnRNPK(1)	D	Y	N	A	S	V	S	V	-	P	D	S	S	G	P	E	R	I	L	S	I	A	D	I	V	E	T
hnRNPK(2)	N	T	Q	T	-	-	-	-	-	I	K	L	F	Q	E	C	C	P	H	S	T	D	R	V	V	L	I
hnRNPK(3)	E	S	G	A	S	-	-	-	-	I	K	I	D	-	E	P	L	E	G	S	E	D	R	I	I	I	I
FMRP(1)	V	P	G	V	T	A	-	-	-	I	D	L	D	E	D	T	C	T	F	H	I	Y	G	-	-	-	-
FMRP(2)	K	S	G	V	V	R	-	-	-	V	R	I	E	A	E	N	E	K	N	V	P	Q	-	-	-	-	-

Consensus:

I	I	R	I	I
L	L	K	V	V
V	V			

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FIG. 3

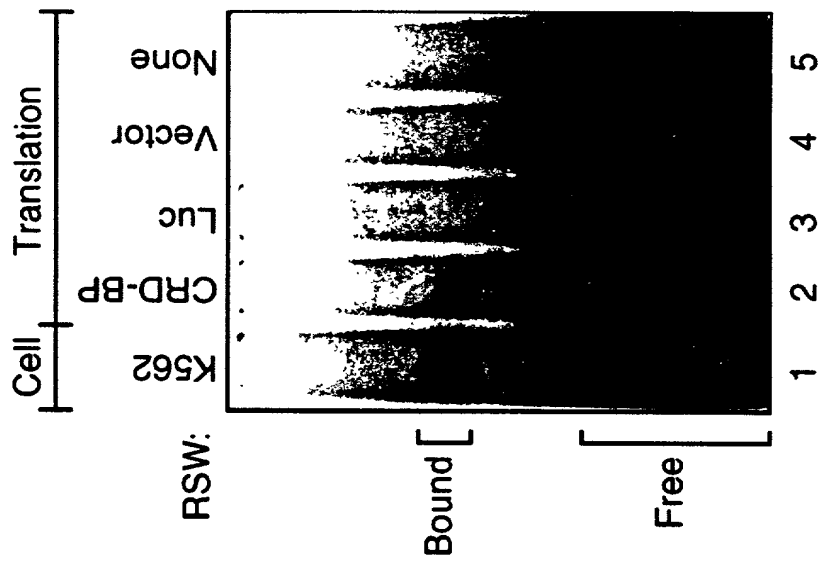


FIG. 4A

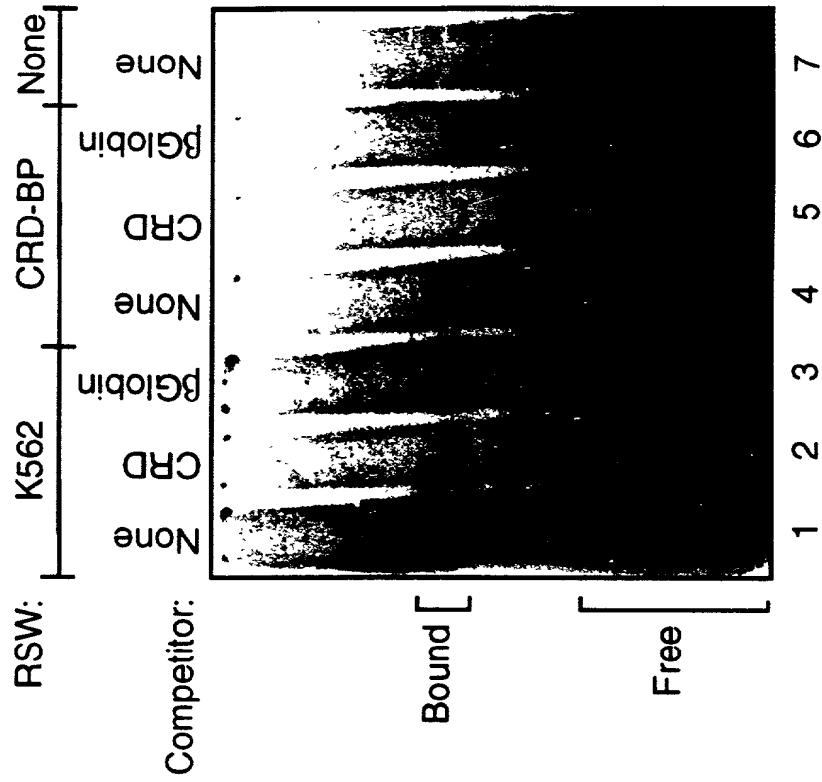


FIG. 4B

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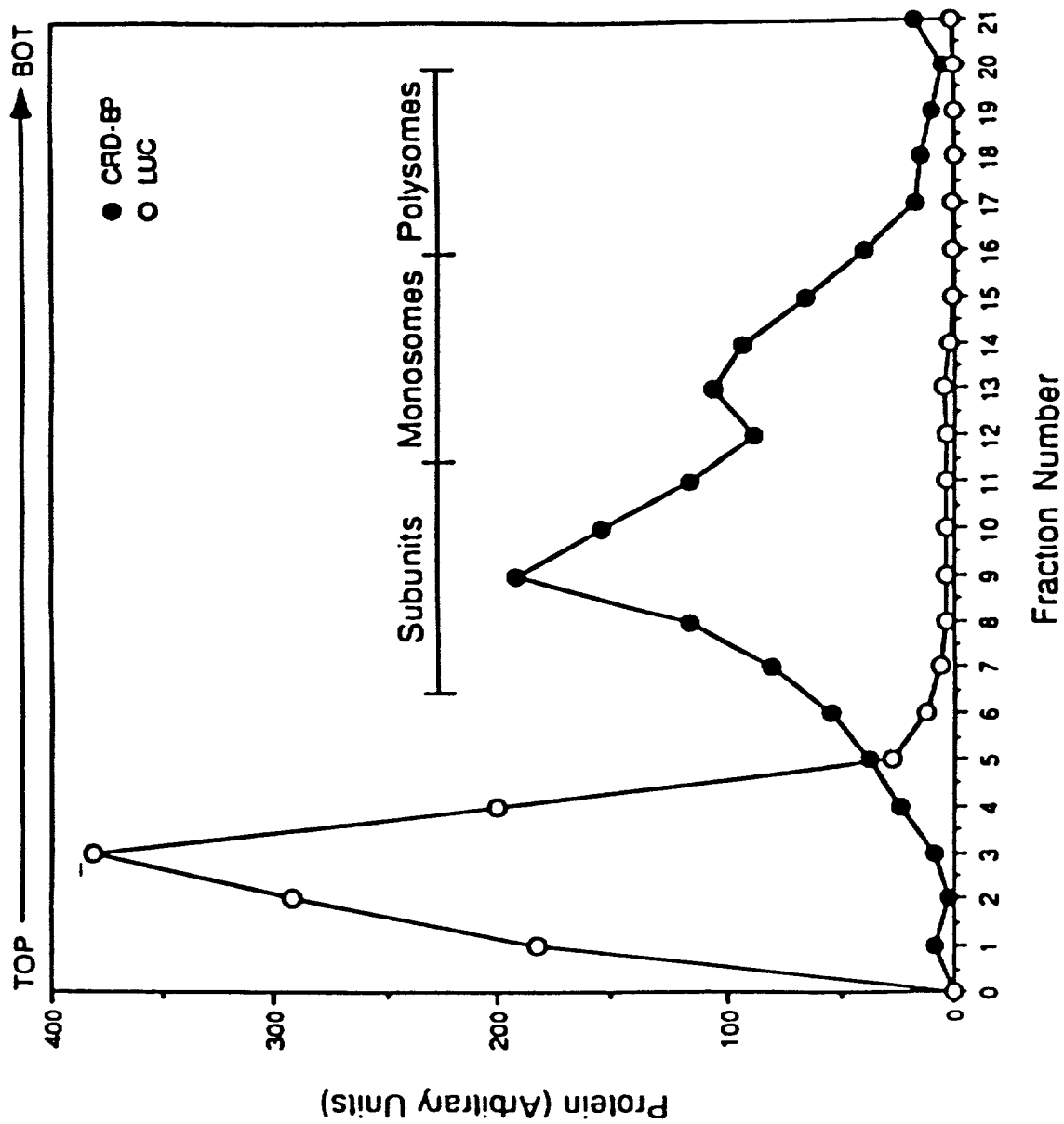
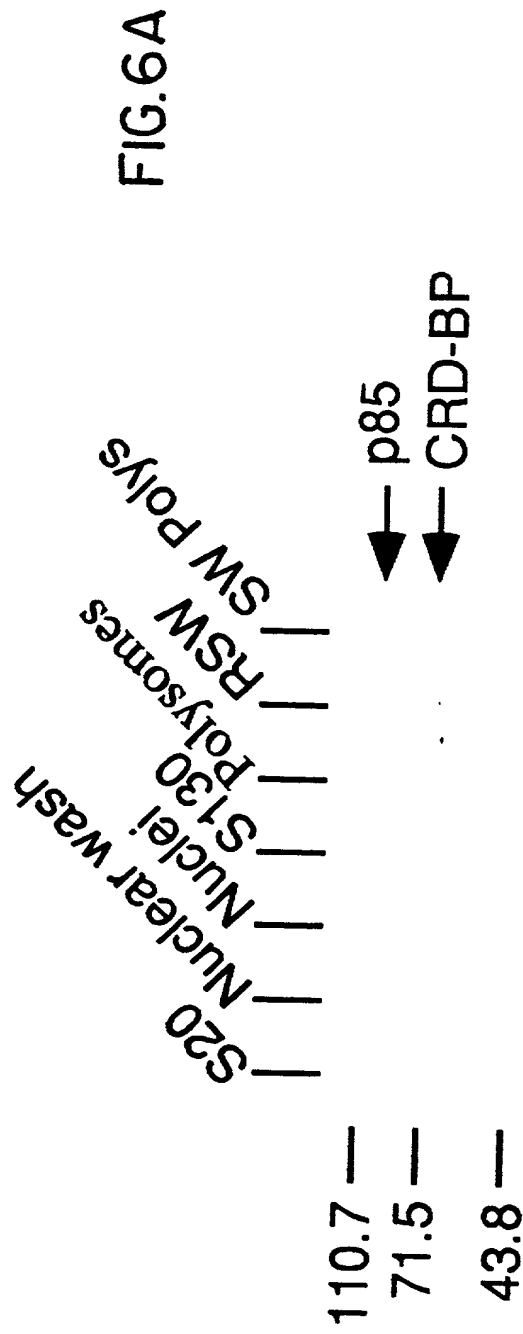


FIG. 5

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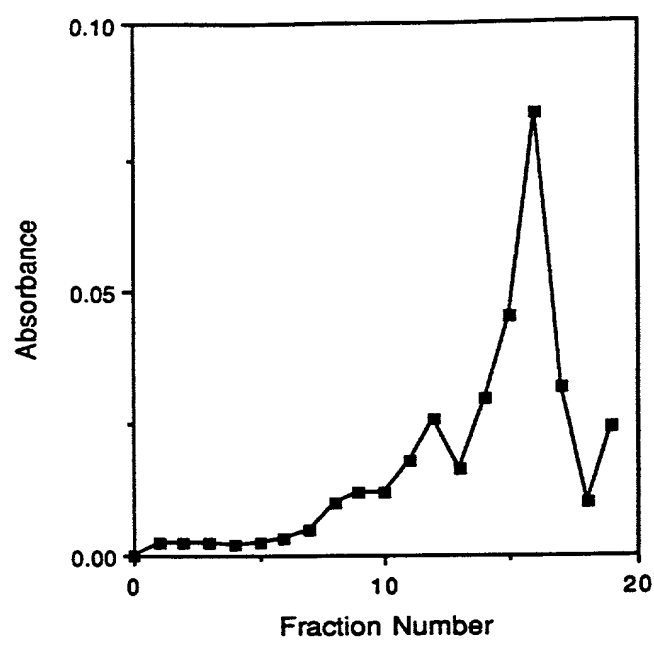


FIG. 7A

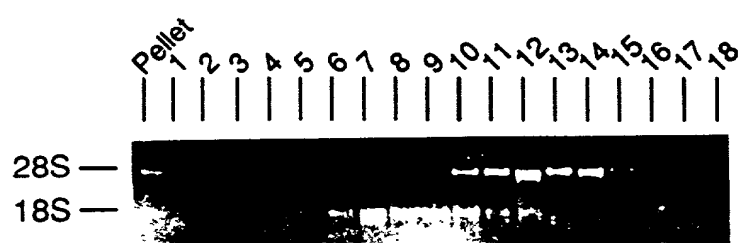


FIG. 7B

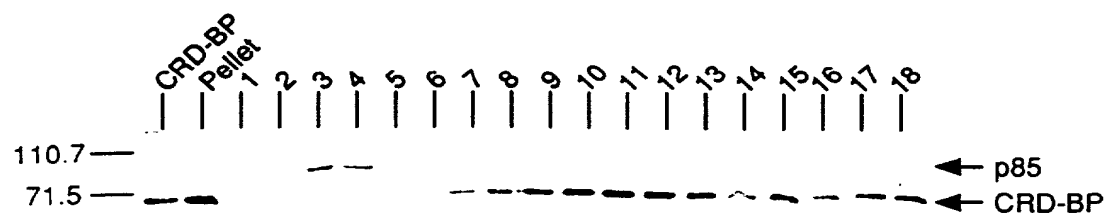


FIG. 7C

09373637.060401

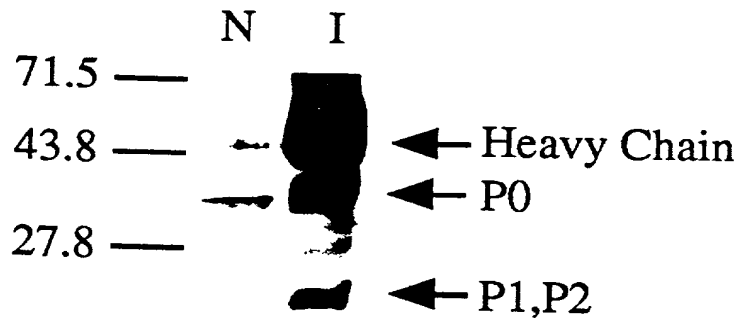


FIG. 8A

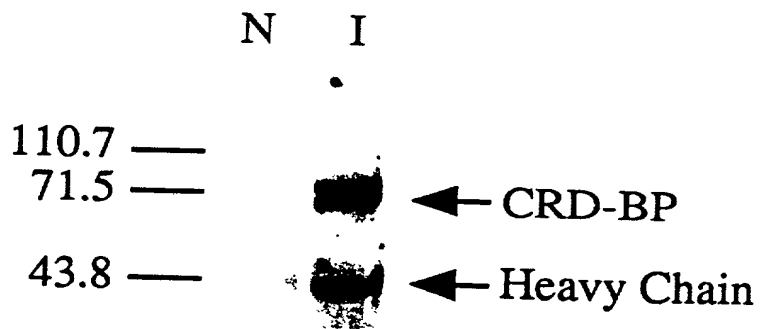


FIG. 8B